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INITO	DIATIO	N DIC		Application Number	09/991,518		
			CLOSURE	Filing Date	11/16/2001		
STA	TEMENT	BY AF	PLICANT	First Named Inventor	FENICAL WILLIAM ET AL		
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_	t. U.S. PATENT DOCUMENTS						
Examiner Initials		Document Number Number - Kind Code ² (if known	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
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Complet if Known Substitute for form 1449B/PTO **Application Number** INFORMATION DISCLOSURE Filing Date First Named Inventor STATEMENT BY APPLICANT Group Art Unit (use as many sheets as necessary)

of

09/991.518 11/16/2001 FENICAL, WILLIAM ET AL 1645 unknown Examiner Name Attorney Docket Number 6627PA1022

Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	7
m	A	Bull, A. T. et al. 2000. Search and discovery strategies for biotechnology: The paradigm shift. Microbiology and Molecular Biology Reviews. 64:573-606.	
	В	Goodfellow, M. et al. 1984. Actinomycetes in marine sediments, p. 453-472. Biological, biochemical, and biomedical aspects of actinomycetes. Academic Press, Inc. Orlando.	
	c ·	Goodfellow, M. et al. 1983. Ecology of actinomycetes. Ann. Rev. Microbiol. 37:189-216.	
	D •	Helmke, E. et al. 1984. Rhodococcus marinonascens sp. nov., an actinomycete from the sea. Int. J. Syst. Bacteriol. 34:127-38.	
	E	Hopwood, D.A. 1995. Genetic manipulation of streptomyces polyketide synthase genes for novel secondary metabolite production. FEMS Microbiol. Rev. 16:233-4.	
	F	Jensen, P.R., et al. 1991. Distribution of actinomycetes in near-shore tropical marine sediments. Appl. Environ. Microbiol 57:1102-8.	
	G.	Koch, C., et al. 1996. 16S ribosomal DNA analysis of the genera Micromonospora, Actinoplanes, Int. Journal of Systematic Bacteriology. 46:765-768.	
	н	Moran, M.A. et al. 1995. Evidence for indigenous streptomyces populations in a marine environment, pp. 3695-3700. Applied and Environmental Microbiology. Vol. 61, No. 10.	
	ı.	Nesternenko, O.A., et al. 1982. Rhodococcus luteus nom, nov. and Rhodococcus maris nom. nov. pp. 1-14. Int'l Journal of Systematic Bacteriology. Vol. 32, No. 1.	
	J	Nolan, R.D. et al. 1988. Isolation and screening of actinomycetes, pp. 1-32. Actinomycetes in Biotechnology.	
	ĸ	O'Donnell, A.G. 1988. Recognition of novel actinomycetes, pp. 69-88. Actinomycetes in Biotechnology.	-

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Substitute for form 1449B/PTO	Con	Complete if Kn wn			
	Application Number	09/991.518			
INFORMATION DISCLOSURE	Filing Date	11/16/2001			
STATEMENT BY APPLICANT		FENICAL, WILLIAM ET AL			
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Sheet 3 of 3	Attorney Docket Number	6627PA1022			

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m	L	Okami, Y. et al. 1988. Search and discovery of new antibiotics,pp. 33-67. Actinomyetes in Biotechnology.	
	М	Page, R. D. M. 1996. TREEVIEW: An application to display phylogenetic trees on personal computers. Computer Applications in the Biosciences 12, 357-358.	
	N -	Stackebrandt, E. et al. 1997. Proposal for a new hierarchic classification system, Actinobacteria classis nov. International Journal of Systematic Bacteriology. 47:479-491.	
	0	Tang, L. et al. 2000. Cloning and heterologous expression of the epothilong gene cluster. Science. 287:640-2.	
Thompson, J.D. et al. 1994. CLUSTAL W: Improving the sensitivity of progressive multiple sequence alignment through sequence weighting, Nucleic Acids Research 22:4673-4680. Versalovic, J. et al. 1991. Distribution of repetitive DNA sequences in eubacteria and application to fingerprinting of bacterial genomes. Nucleic Acids Res. 19:6823-6831.		Thompson, J.D. et al. 1994. CLUSTAL W: Improving the sensitivity of progressive multiple sequence alignment through sequence weighting, Nucleic Acids Research 22:4673-4680.	
	R	Weyland, H. 1981. Distribution of actinomycetes on the sea floor. Actinomycetes, Zbl. Bakt. Suppl. 11:185-193.	
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Examiner Signature	Liene mare	Date Considered	9/1	1/03	

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